

Sorbent Decontamination System (SDS)

Description

The SDS contains a free flowing, reactive, highly absorptive powder, which will provide vehicle and crew serve weapon operators (50 caliber and larger) the capability to perform operator wipe down (previously referred to as operator spray down) during immediate decontamination operations. SDS will absorb and render harmless liquid chemical agents. The SDS will be contained in an application package carried on tactical vehicles and crew served weapons for use in immediate decontamination. The sorbent decontaminant will absorb liquid agents located on areas of equipment that the operator must come in contact with in order to operate or maintain contaminated equipment. The sorbent is a one-time use item. As soon as the seal on its packet is broken, exposure to the moisture and carbon dioxide in air degrades its reactive properties.

Operational Impact

SDS will replace current decontaminants (e.g. the M11, M13 DAP and all DS2 associated with those items.) DS2 must be washed off with water following application, presents environmental and health hazards, and requires special storage and shipping considerations. SDS will eliminate the logistic burden of large amounts of water on the battlefield for this purpose. DS2 presents some undesirable side effects, including the deterioration of rubber and plastic components and generating a slippery surface.

Program Status

In FY01 Milestone III was granted. OT was conducted by the Army, however, USMC did not concur with results. Before USMC implementation, USMC plans to have Marine Corps specific testing done by MCOTEA in FY03.

Procurement Profile

Quantity:

FY02

1700

FY03

35000

Development/Manufacturer

Guild Associates, Inc., Dublin, OH